



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

**PGT Industries**  
**1070 Technology Drive**  
**Nokomis, FL 34275**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: 1"x Heavy Wall - Aluminum Tube Clipped Mullion

**APPROVAL DOCUMENT:** Drawing No. **6621**, titled "1" Heavy Wall Mullion", sheets 1 through 6 of 6, dated 04/28/00, with revision "A" dated 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **02-0701.09** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 04-0528.05  
Expiration Date: June 28, 2006  
Approval Date: July 15, 2004  
Page 1

**PGT Industries**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

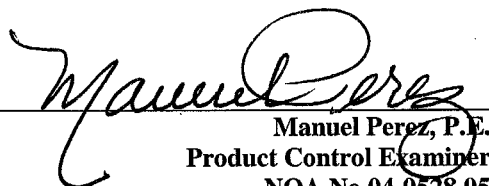
1. Manufacturer's die drawings and sections.
2. Drawing No **6621**, titled "1" Heavy Wall Mullion", Sheets 1 through 6 of 6, dated -05/26/04, with revision "A" dated 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mulled together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2902**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.  
**"Submitted under NOA # 01-0323.02"**
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mulled together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2903**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.  
**"Submitted under NOA # 01-0323.02"**
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, FBC, TAS 201-94  
3) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mulled together with a 1x 2 x 3/4" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2975**, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.  
**"Submitted under NOA # 01-0323.02"**

**C. CALCULATIONS**

1. Engineering Structural & Anchor Calculations, prepared by manufacturer, dated 08/20/00, revised on 5/24/01, signed and sealed by Robert L. Clark, P.E.  
**"Submitted under NOA # 01-0323.02"**

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 04-0528.05

Expiration Date: June 28, 2006  
Approval Date: July 15, 2004

**PGT Industries**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

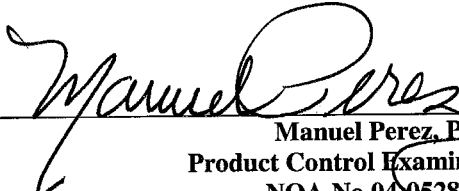
1. None.

**F. STATEMENTS**

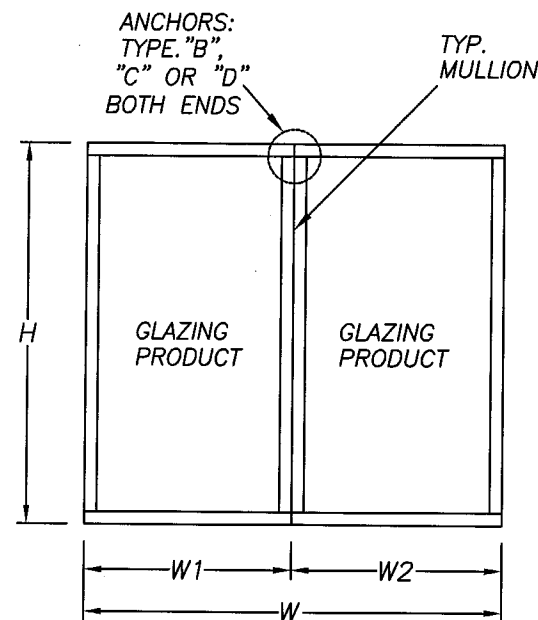
1. Statement letter of conformance, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.  
*"Submitted under NOA # 01-0323.02"*
2. Statement letter of no financial interest, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.  
*"Submitted under NOA # 01-0323.02"*
3. Laboratory compliance letter for Test Reports No. FTL-2902, FTL-2903 and FTL-2975, issued by Fenestration Testing Laboratory, Inc., dated January 30, 2001, signed and sealed by Antonio Acevedo, P.E.  
*"Submitted under NOA # 01-0323.02"*

**G. OTHER**

1. Notice of Acceptance No. **02-0701.09**, issued to PGT Industries for their 1" x Heavy Wall-Aluminum Tube Clipped Mullion, approved on 07/12/2002 and expiring on 06/28/06.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 04-0528.05

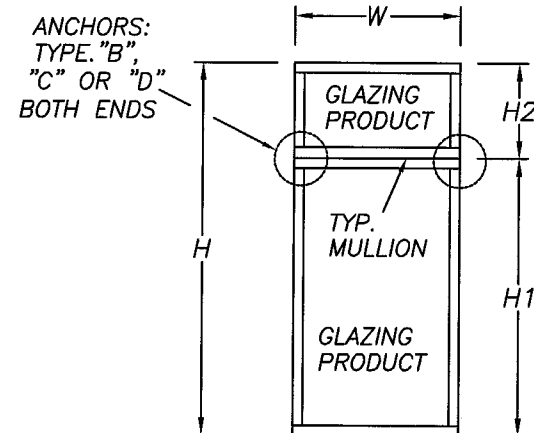
Expiration Date: June 28, 2006  
Approval Date: July 15, 2004



$$W = W1 + W2$$

## (2) WINDOWS MULLED TOGETHER

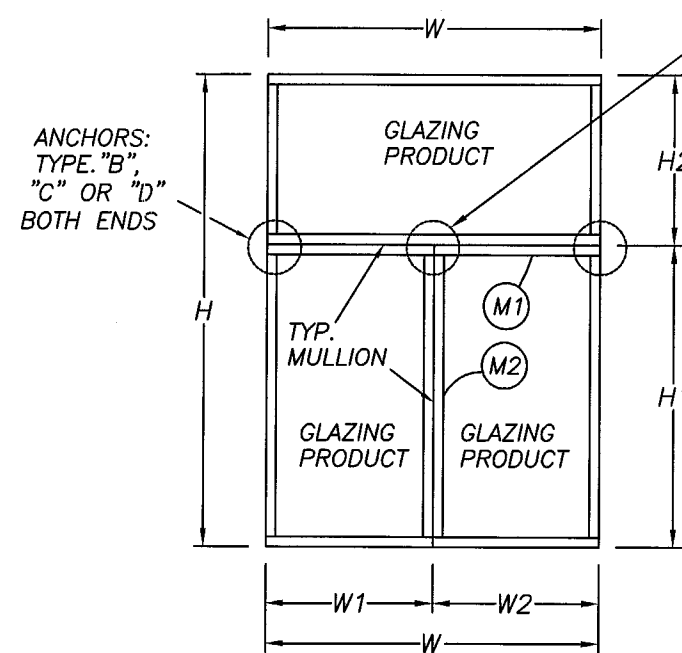
FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5 & 6  
MAX OPENING = W OR W1+W2  
MULL LENGTH = H



$$H = H1 + H2$$

## (1) WINDOW MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5 & 6  
MAX OPENING = H OR H1+H2  
MULL LENGTH = W

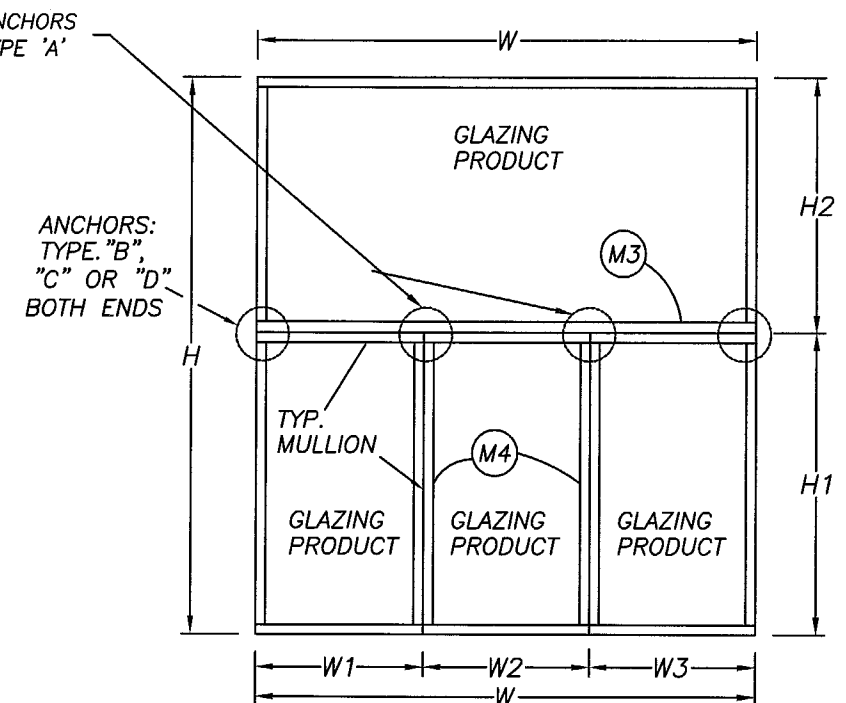


$$W = W1 + W2$$

$$H = H1 + H2$$

## (2) WINDOWS MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5 & 6  
M1) MAX OPENING = H OR H1+H2  
MULL LENGTH = W OR W1+W2  
M2) MAX OPENING = W OR W1+W2  
MULL LENGTH = H1



$$W = W1 + W2 + W3$$

$$H = H1 + H2$$

## MULTIPLE WINDOWS MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE  
DESIGN PRESSURE SEE TABLES  
ON PAGE 5 & 6  
M3) MAX OPENING = H OR H1+H2  
MULL LENGTH = W OR W1+W2+W3  
M4) MAX OPENING = W1+W2 OR W2+W3  
MULL LENGTH = H1

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 04-0528.05  
Expiration Date June 28, 2006  
By *Mamuel Perez*  
Miami Dade Product Control  
Division

### NOTES:

1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION  
REFER TO SHEETS 2, 3, 5 AND 6

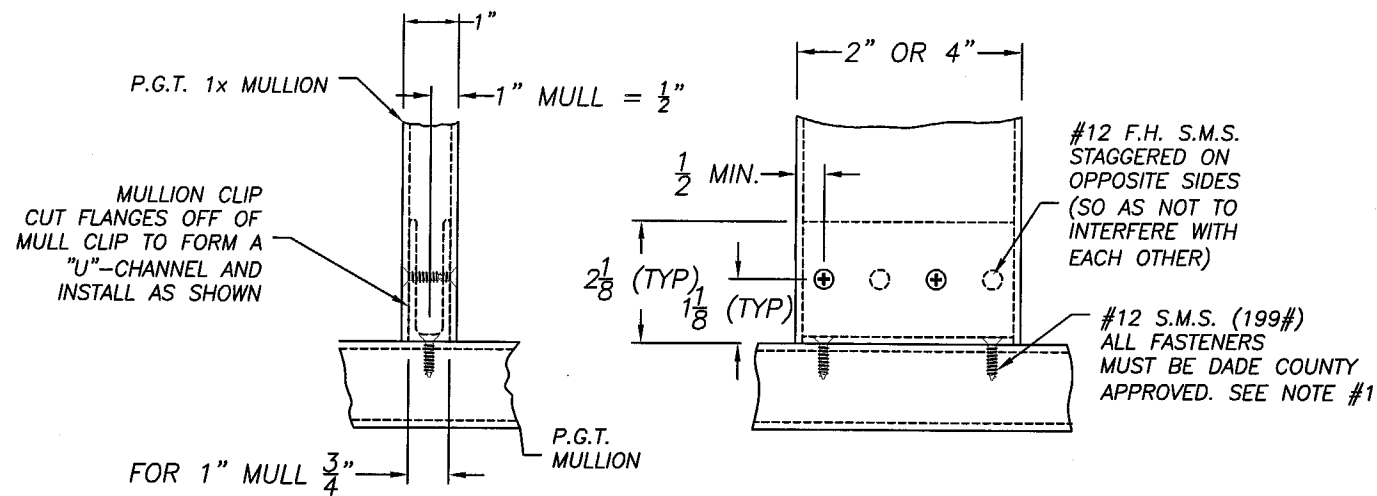
2. WINDOWS MAY BE MULLED TO A MAX. OF 7 UNITS

3. MULLIONS ARE APPROVED FOR IMPACT AND NON-IMPACT

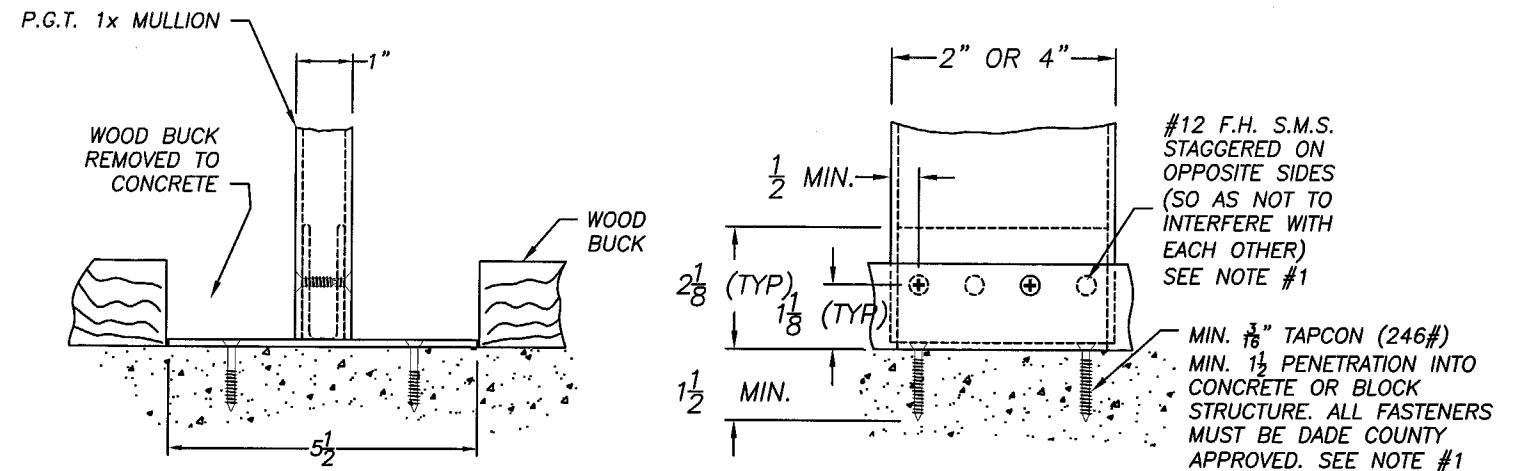
4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

*R. J. Clark*  
8/30/04  
Robert J. Clark, P.E.  
PE #39712  
Structural

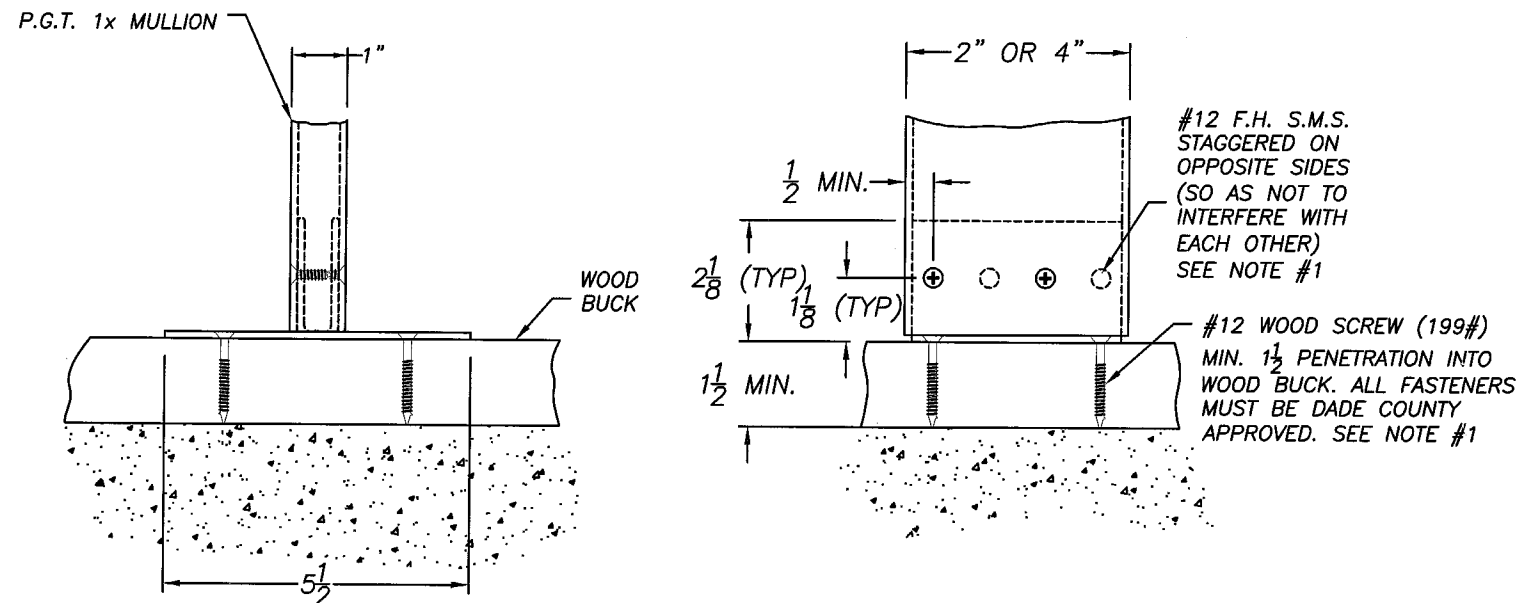
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS							
<b>PGT</b> INDUSTRIES	Revsd By:	Date:	Chkd By:	Date:	Revisions:		
	F.K.	5/3/04			A - ADD NOTATION		
	Drawn By:	P.J.P.	Date:	4/28/00			
Description: 1" HEAVY WALL MULLION ARRANGEMENT DETAIL							
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model:	MULLS	Scale:	1x	Sheet:	1 of 6
Drawing No.						6621	Rev:
							A



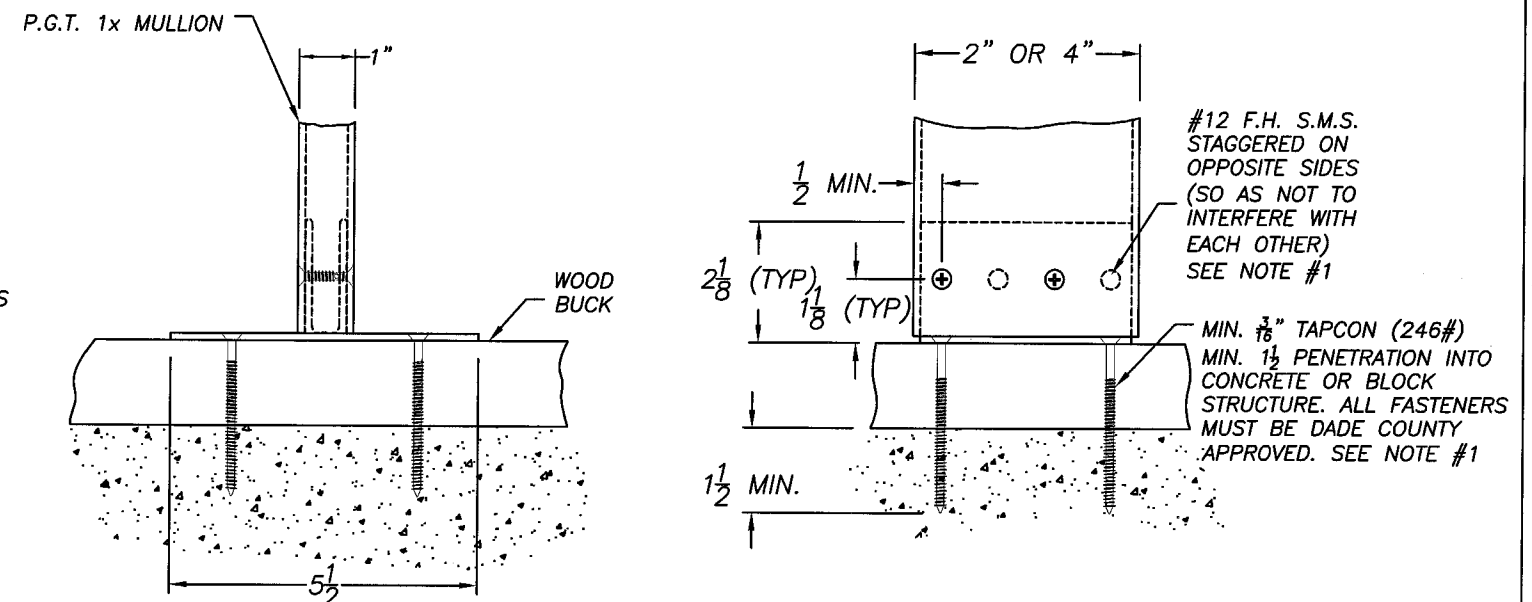
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK REMOVED FROM CONC. TYPE "C".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK TYPE "B".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK AND CONC. TYPE "D".

**NOTE:**


1. FOR MULL SIZE AND QUANTITY OF ANCHORS REQUIRED SEE SHEETS 5 & 6. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF ANCHORS FOR MULL-TO-CLIP IS THE SAME AS THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING.
2. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

**IMPORTANT:**

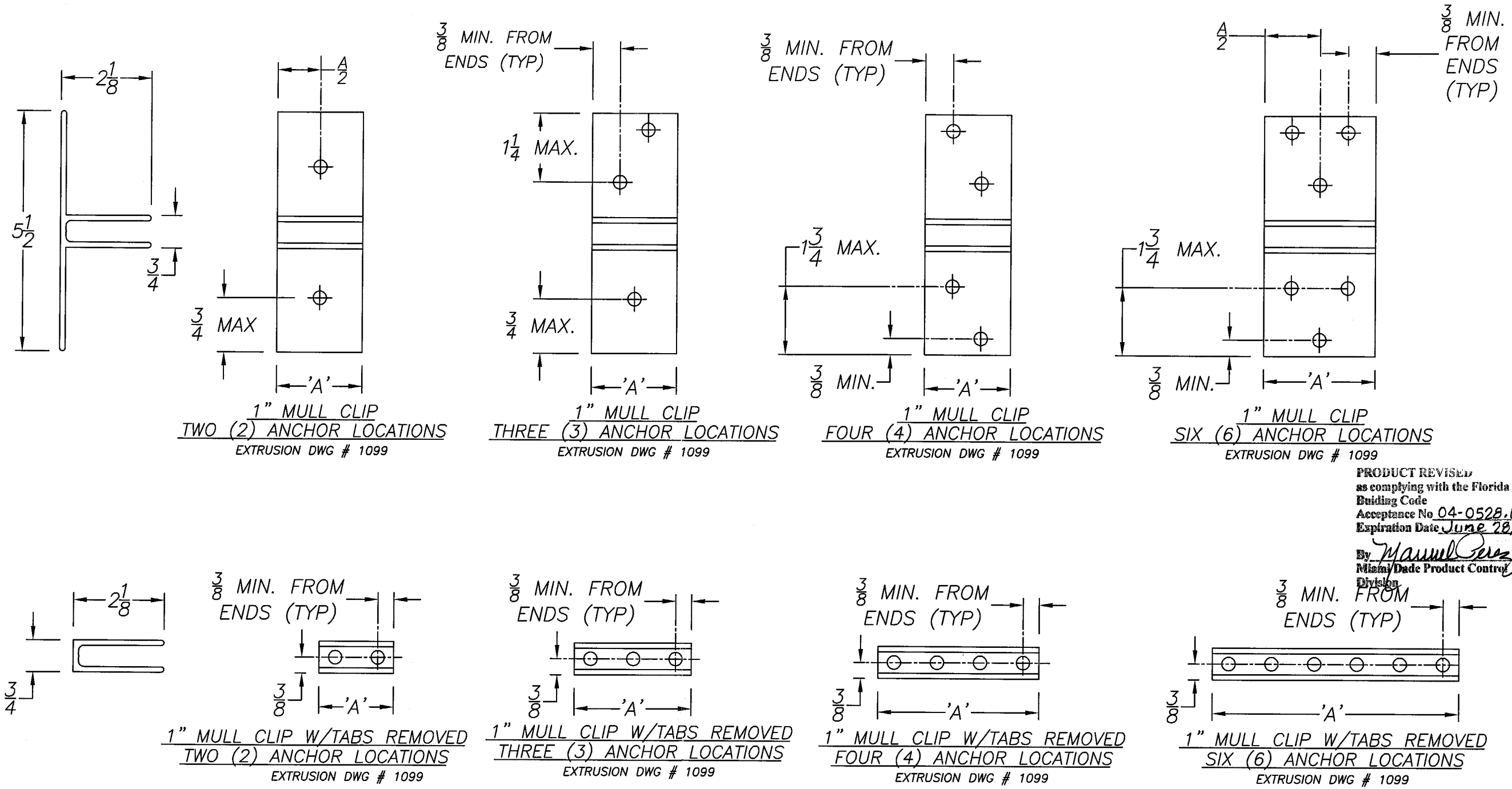
QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.

*Robert L. Clark, P.E.*  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 04-0528.05  
 Expiration Date June 28, 2006  
 By *Manuel Pera*  
 Miami Dade Product Control  
 Division

TO BE USED <u>ONLY</u> WITH PGT INDUSTRIES PRODUCTS									
	Revsd By:	Date:	Chkd By:	Date:	Revisions:				
	F.K.	5/3/04			A - ADD NOTATION				
	Drawn By:	P.J.P.	Date:	4/28/00					
	Description:								
1" HEAVY WALL MULLION & CLIP INSTALLATION DETAIL									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model:		Scale:	Sheet:	Drawing No.	Rev:
		MULLS		1x		2 of 6	6621	A	

**IMPORTANT:**  
QUANTITY OF  
ANCHORS SHOWN  
ARE FOR A PICTORIAL  
REPRESENTATION  
ONLY. FOR CORRECT  
QUANTITY OF  
ANCHORS PLEASE  
REFER TO CHARTS  
AND FIND THE  
CORRECT MULL SIZE  
AND PRESSURE  
REQ'D FOR YOUR  
SPECIFIC  
APPLICATION.



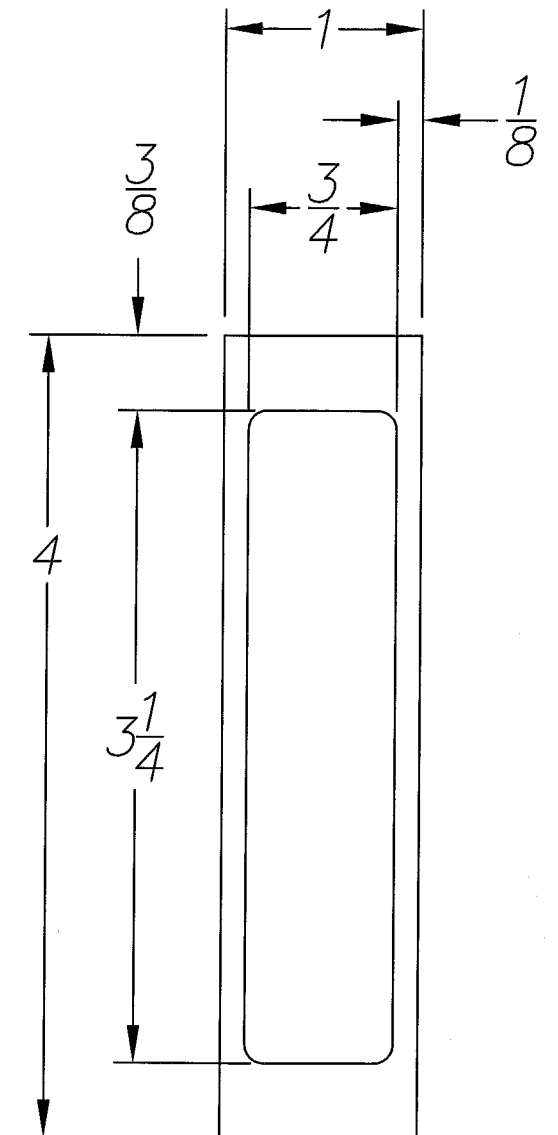
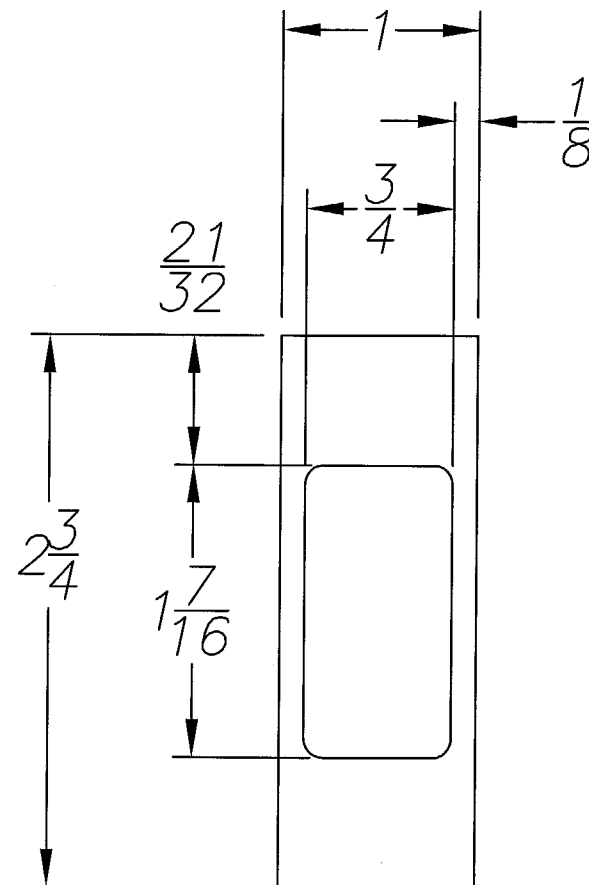
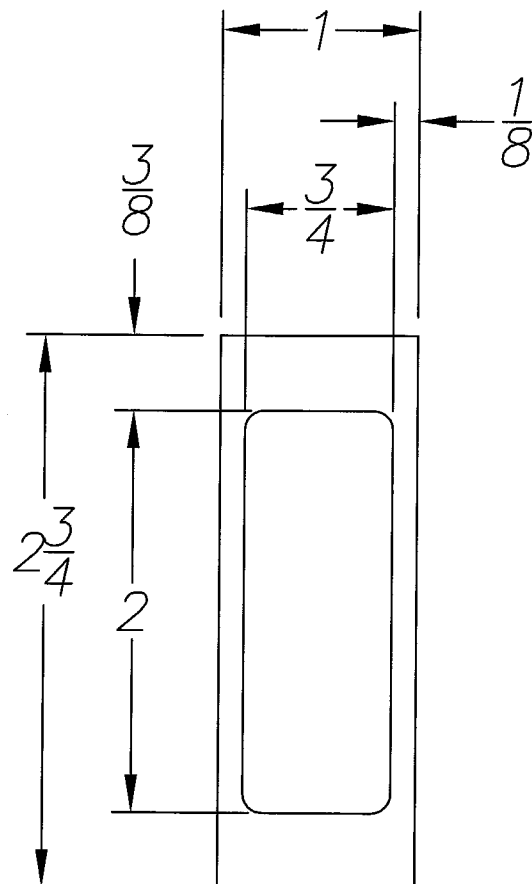
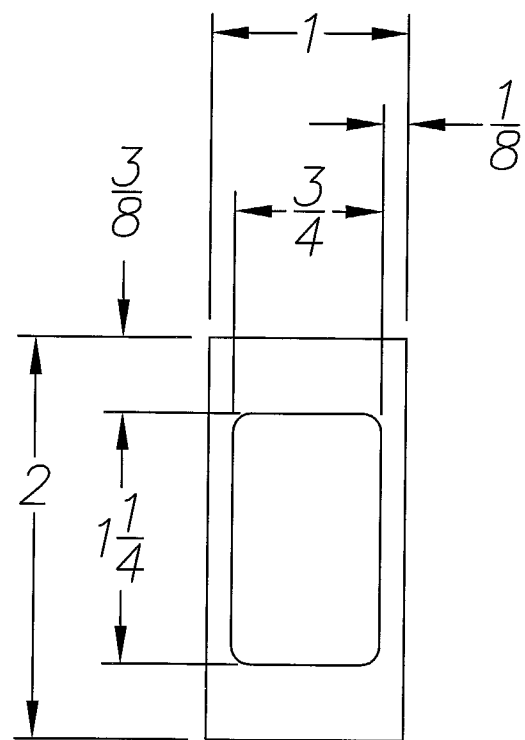
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 04-0528.05  
Expiration Date June 28, 2006  
By *Mamun Peraz*  
Miami/Dade Product Control  
Division

CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	'A'
1 x 2 x 1/4	1 7/8
1 x 2 3/4 x 3/8	1 5/8
1 x 2 3/4 x 3/2	1 3/8
1 x 4 x 3/8	3 3/8

**NOTE:**  
1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

*Robert L. Clark*  
7/30/04  
Robert L. Clark, P.E.  
PE #39712  
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS					
<b>PGT</b> INDUSTRIES	Revsd By: F.K.	Date: 5/3/04	Chkd By:	Date:	Revisions: A - ADD NOTATION
	Drawn By: P.J.P.		Date: 5/21/01		
	Description: ANCHOR LOCATIONS				
Title: 1" MULLION CLIP					
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: 1	Sheet: 3 of 6	Drawing No. 6621
					Rev: A



# 1x HEAVY WALL MULLS

MAT'L: 6063-T6

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 04-0528.05  
Expiration Date June 28, 2006  
By: Manuel Perez  
Miami Dade Product Control  
Division

## NOTE:

- REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

*Robert L. Clark*  
7/30/04  
Robert L. Clark, P.E.  
PE #39712  
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS									
		Revsd By:	Date:	Chkd By:	Date:	Revisions:			
		F.K.	5/3/04			A - ADD NOTATION			
		Drawn By:	Date:						
		P.J.P.	5/22/00						
Description:									
1" HEAVY WALL MULLION PROFILES									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model:		Scale:	Sheet:	Drawing No.	Rev:
				MULLS		1x	4 of 6	6621	A

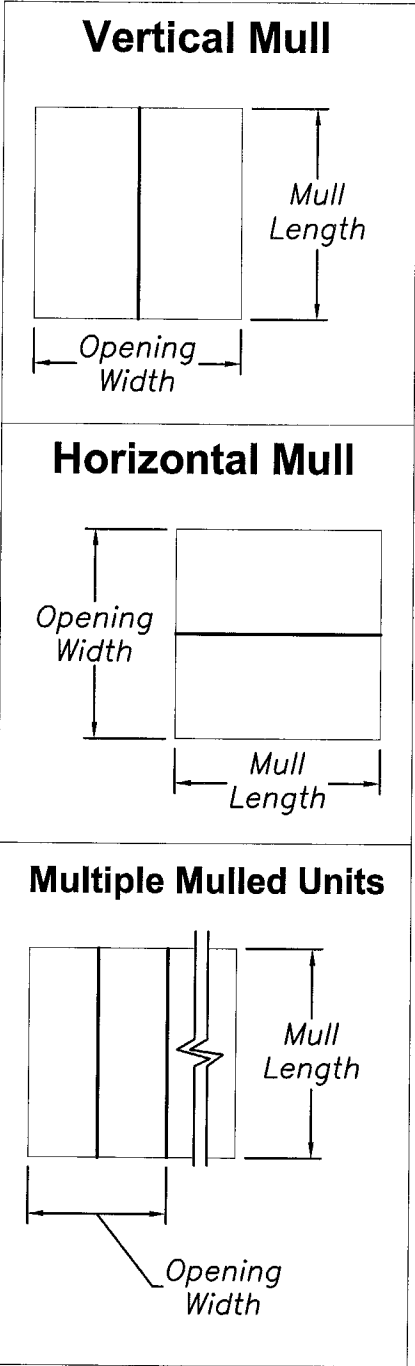
1x2x.375 2 Anchors		OPENING WIDTH IN INCHES									
		50	60	70	80	90	100	110	120	130	160
① MULL LENGTH IN INCHES	42	155	142	134	130	130	130	130	130	130	130
	48	129	116	107	102	100	99	99	99	99	99
	50.625	115	100	91	85	82	80	80	80	80	80
	54	94	81	73	68	64	63	62	62	62	62
	60	67	58	51	47	44	42	41	41	41	41
	63	58	49	44	40	37	35	34	34	34	34
	66	50	43	38	34	32	30	29	28	28	28
	72	38	32	29	26	24	22	21	20	20	20
	76	32	27	24	22	20	18	17	17	16	16
	78	30	25	22	20	18	17	16	15	15	-
	84	24	20	17	16	-	-	-	-	-	-
	90	19	16	-	-	-	-	-	-	-	-
	96	16	-	-	-	-	-	-	-	-	-
	108	-	-	-	-	-	-	-	-	-	-
	111	-	-	-	-	-	-	-	-	-	-
	144	-	-	-	-	-	-	-	-	-	-

1x2.75x.375 3/4 Anchors		OPENING WIDTH IN INCHES																			
		50		60		70		80		90		100		110		120		130		160	
② MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
	48	170	170	170	170	161	170	154	170	150	170	149	170	149	170	149	170	149	170	149	170
	50.625	170	170	161	170	148	170	140	170	136	170	134	170	134	170	134	170	134	170	134	170
	54	166	170	147	170	135	165	126	153	121	146	119	142	118	141	118	141	118	141	118	141
	60	145	152	127	131	116	116	101	107	100	100	96	96	93	93	92	92	92	92	92	92
	63	131	131	112	112	99	99	90	90	84	84	80	80	77	77	76	76	76	76	76	76
	66	113	113	97	97	85	85	77	77	72	72	68	68	65	65	64	64	63	63	63	63
	72	86	86	73	73	65	65	58	58	54	54	50	50	48	48	46	46	45	45	44	44
	76	73	73	62	62	54	54	49	49	45	45	42	42	40	40	38	38	37	37	36	36
	78	67	67	57	57	50	50	45	45	41	41	38	38	36	36	35	35	33	33	32	32
	84	54	54	45	45	40	40	35	35	32	32	30	30	28	28	27	27	26	26	24	24
	90	43	43	37	37	32	32	28	28	26	26	24	24	22	22	21	21	20	20	19	19
	96	36	36	30	30	26	26	23	23	21	21	19	19	18	18	17	17	16	16	15	15
	108	25	25	21	21	18	18	16	16	-	-	-	-	-	-	-	-	-	-	-	-
111	23	23	19	19	17	17	15	15	-	-	-	-	-	-	-	-	-	-	-	-	
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTES:

1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

Robert L. Clark, P.E.  
PE #39712  
Structural



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as complying with the Florida  
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Acceptance No. 04-0528.05  
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By *Manuel Perez*  
Miami Dade Product Control  
Division

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS									
		Revsd By: F.K.	Date: 5/3/04	Chkd By:	Date:	Revisions: A - ADD NOTATION			
		Drawn By: P.J.P.	Date: 4/28/00						
		Description: PRESSURE CHARTS							
Title: 1" HEAVY WALL MULLION									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model: MULLS		Scale: NTS	Sheet: 5 of 6	Drawing No. 6621	Rev: A



